

LISTING/AMENDMENTS TO THE CLAIMS INCLUDING STATUS INDICATORS

Claims 1-55. (Cancelled)

56. (Currently Amended) A dosage delivery unit for delivering a tooth bleaching mixture, comprising:

a multi-chambered vessel with a first chamber containing a composition including at least 10% hydrogen-peroxide-containing compound and a second chamber containing a composition including an alkaline pH adjusting agent and a stabilizing agent, wherein the contents of the chambers are expelled in response to pressure applied on the vessel from an external source; and

a static mixer in communication with the chambers for accepting the contents thereof and mixing them together to form an abrasive free, aqueous hydrogen-peroxide-containing tooth bleaching mixture with a pH in the range of 7-10 that exits the static mixer in response to the applied pressure on the vessel, wherein said tooth bleaching mixture is capable of a detectable tooth-bleaching effect within 30 minutes of contact with a tooth.

57. (Previously Presented) The dosage delivery unit of claim 56 wherein the aqueous mixture further comprises a thickener, a calcium chelating agent, or mixtures thereof.

58. (Cancelled)

59. (Cancelled)

60. (Cancelled)

61. (Previously Presented) The dosage delivery unit of claim 56 wherein the aqueous mixture includes at least 70% water by weight, based on the weight of the mixture.

62. (Previously Presented) The dosage delivery unit of claim 57 wherein the alkaline pH adjusting agent is a member selected from the group consisting of alkali metal hydroxides, ammonium hydroxide, alkali metal carbonates, tris(hydroxymethyl) aminomethane, triethanolamine, and mixtures thereof.

63. (Previously Presented) The dosage delivery unit of claim 57 wherein the stabilizing agent is selected from the group consisting of sodium acid pyrophosphate, sodium stannate trihydrate, 1-hydroxyethylidene-1,1-diphosphonic acid, and mixtures thereof.

64. (Previously Presented) The dosage delivery unit of claim 56 wherein the calcium chelating agent is selected from the group consisting of EDTA, salts of EDTA, citric acid, salts of citric acid, gluconic acid, salts of gluconic acid, alkali metal pyrophosphates, alkali metal polyphosphates, and mixtures thereof.

65. (Previously Presented) The dosage delivery unit of claim 57 wherein the thickener is a high molecular weight crosslinked polyacrylic acid.

66. (Cancelled)

67. (Cancelled)

68. (Cancelled)

69. (Cancelled)

70. (Previously Presented) The dosage delivery unit of claim 56 wherein both of the chambers contain compositions in the form of gels or pastes.

71. (Currently Amended) A dosage delivery unit for delivering a tooth bleaching composition, comprising:

a multi-chambered vessel with a first chamber containing an anhydrous gel including at least 10% of a hydrogen peroxide precursor and a second chamber containing an aqueous gel including a chelating agent, wherein the contents of the chambers are expelled in response to pressure applied on the vessel from an external source; and

a static mixer in communication with the chambers for accepting the anhydrous gel and the aqueous gel and mixing them together to form an aqueous gel comprising a an abrasive free,

hydrogen-peroxide-containing tooth bleaching composition with a pH in the range of 7-10 that exits the static mixer in response to the applied pressure on the vessel, wherein said tooth bleaching mixture is capable of a detectable tooth-bleaching effect within 30 minutes of contact with a tooth.

72. (Previously Presented) The dosage delivery unit of claim 71 wherein the hydrogen peroxide precursor is sodium percarbonate.

73. (Previously Presented) The dosage delivery unit of claim 71 wherein:
the anhydrous gel includes an anhydrous carrier, and a thickening agent; and
the aqueous gel includes water, a thickening agent, and a pH adjusting agent.

74. (Previously Presented) The dosage delivery unit of claim 73 wherein the anhydrous carrier is polyethylene glycol and the hydrogen peroxide precursor is sodium percarbonate.

75. (Previously Presented) The dosage delivery unit of claim 73 wherein the chelating agent is selected from the group consisting of EDTA, salts of EDTA, citric acid, salts of citric acid, gluconic acid, salts of gluconic acid, alkali metal pyrophosphates, alkali metal polyphosphates, and mixtures thereof, and the pH adjusting agent is selected from the group consisting of alkali metal hydroxides, ammonium hydroxide, alkali metal carbonates, tris(hydroxymethyl) aminomethane, triethanolamine, and mixtures thereof.

76. (Previously Presented) The dosage delivery unit of claim 56 wherein the hydrogen-peroxide-containing compound is sodium percarbonate.

77. (Cancelled)

78. (Currently Amended) A dosage delivery unit for delivering a tooth bleaching mixture, comprising:

a multi-chambered vessel with a first chamber containing an alkaline composition including at least 10% of a hydrogen-peroxide-containing compound and a second chamber

containing a composition including an alkaline pH adjusting agent, wherein the contents of the chambers are expelled in response to pressure applied on the vessel from an external source; and a static mixer in communication with the chambers for accepting the contents thereof and mixing them together to form an abrasive free, aqueous hydrogen-peroxide-containing tooth bleaching mixture with a pH in the range of 7-10 that exits the static mixer in response to the applied pressure on the vessel, wherein said tooth bleaching mixture is capable of a detectable tooth-bleaching effect within 30 minutes of contact with a tooth.

79. (Previously Presented) The dosage delivery unit of claim 78 wherein the alkaline pH adjusting agent is a member selected from the group consisting of alkali metal hydroxides, ammonium hydroxide, alkali metal carbonates, tris(hydroxymethyl) aminomethane, triethanolamine, and mixtures thereof.

80. (Previously Presented) The dosage delivery unit of claim 78 wherein the aqueous mixture further comprises a thickener, a stabilizing agent, a calcium chelating agent, and mixtures thereof.

81. (Previously Presented) The dosage delivery unit of claim 78 wherein the static mixer is a mixing baffle.